5.0 5 'ATTCAAAACACTGCAGAATTTTGGATAGATTTTCCTGCTACTTCACACGCATAAAAGACA AGAAAGATGAGTAAAGGAGCAGAACTTTTCACTGGAGTTGTCCCAATTCTTATTGAATTA M S K G A E L F T G V V P I L I E L AATGGTGATGTTAATGGGCACAAATTCTCTGTCAGTGGAGGGGGGGAAGGTGATGCGACA N G D V N G H K F S V S G E G E G D A T TACGGAAAGTTAACCCTTAAATTTATTTGCACTACAGGAAAACTACCTGTTCCATGGCCA YGKLTLKFICTTGKLPVPWP ACACTTGTCACTTCTCTTATGGTGTTCAATGCTTTTCAAGATATCCAGATCATATG T L V T T F S Y G V Q C F S R Y P D H M **AAACAGCATGACTTCTTCAAGAGTGCCATGCCTGAAGGTTATATACAGGAAAGAACTATA** K Q H D F F K S A M P E G Y I Q E R T I TTTTTCAAAGATGACGGGAACTACAAGTCGCGTGCTGAAGTCAAGTTCGAAGGTGATACC F F K D D G N Y K S R A E V K F E G D T CTGGTTAATAGAATTGAGTTAACAGGTACTGATTTTAAAGAAGATGGAAACATCCTTGGA LVNRIELTGTDFKEDGNILG N K M E Y N Y N A H N V Y I M T D K A K **AATGGAATCAAAGTTAACTTCAAAATTAGACACAACATTGAAGATGGAAGCGTTCAACTT** NGIKVNFKIRHNIEDGSVQL GCAGACCATTATCAACAAAATACTCCAATTGGCGATGGCCCTGTCCTTTTACCAGATAAC A D H Y Q Q N T P I G D G P V L L P D N HYLSTQSTLSKDPNEKRDHM **ATCTATTTTGAGTTTGTAACAGCTGCTGCGATTACACATGGCATGGATGAATTATACAAA** I Y F E F V T A A A I T H G M D E L Y TAAATGTATAGACTTCAAGTTGACACTAACGTGTCCGAACAATTACTAAAATCTCAGGGT TCCTGGTTAAAATCAGGCTGAGATATTATTTACATATTATAGATTCATTAGAATTATTTA AATACTTTATAGATGTTATTGATAGGGGTTATTTTCTTATT 3'

FIG. 1

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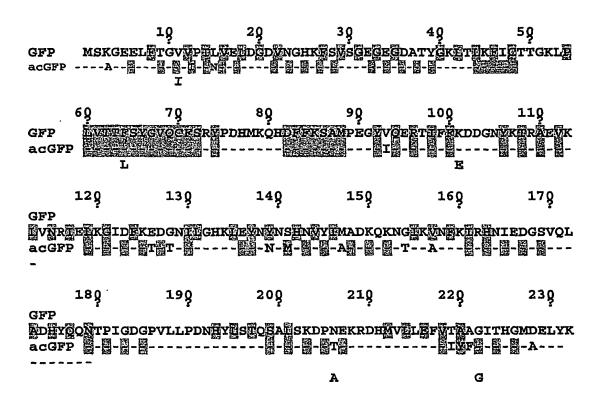


FIG. 2

1	AIG	AGI.	AAA	GGA	G(A	GAA	CIT	TIC	ACT.	GA.	CCI.	GIC	CA	MI.	CLT.	AII.	48
1	M	S	K	G	A	E	L	F	T	G	A	V	P	I	L	I	16
49	CAA.	TIA	AAT	ŒĨ	GAT	GIT	AAT	Œ	CAC	AAA	TIC	TCT	GIC	AGT	ÆÐ	GAG	96
17	E	L	И	G	D	V	N	G	H	K	F	S	V	S	G	E	32
97	æ	GAA	GGT	GAT'	œ	ACA	TAC	ŒA	AAG	TIA	ACC	CIT	AAA	TTT	ATT	TCC	144
33	G	E	G	D	A	T	Y	G	K	L	T	L	K	F	I	C	48
145	ACT	ACA	GGA.	AAA	CIA	Œ	GIT	CCA	TGG	CCA.	ACA.	CIT	GIC	ACT	ACT	TIC	192
49	T	T	G	K	L	P	V	P	W	P	T	L	V	T	T	F	64
193	TCT	TAT	ŒĨ	GIT	CAA	TCC	TIT	TCA	AGA	TAT	CCA.	ŒŒ	CAT	ATG	AAA	CAG	240
65	s	Y	G	V	Q	С	F	S	R	Y	P	D	H	M	K	Q	80
241	CAT	GAC	TIC	TIC	AAG	AGT	œ	AIG	α	GAA.	Œľ	TAT	AIA	CAG	GAA	AGA.	288
81	H	D	F	F	K	s	A	M	P	E	G	Y	I	Q	E	R	96
289	ACT	ATA	TTT	TIC	AAA	Œ	ŒC	Œ	AAC	TAC	AAG	TCG	Œ	CI	GAA	GIC	336
97	T	I	F	F	K	D	D	G	N	Y	K	S	R	A	E	v	112
337	AAG	TIC	GAA	Œ	GAT	ACC	CIG	GIT	AAT	AGA	TTA	GAG	TTA	ACA	Œ	ACT	384
113	K	F	E	G	D	T	L	V	N	R	I	E	L	T	G	T	128
385	Œ	TIT	AAA	GAA	CAT	GGA.	AAC	ATC	CIT	GGA	AAT	AAA	AIG	GAA	TAC	AAC	432
129	D	F	K	E	D	G	N	I	L	G	N	K	M	E	Y	И	144
433																GGA.	480
145	Y	N	A	H	N	V	Y	I	M	T	D	K	A	K	N	G	160
481																GIT	528
161	I	K	V	N	F	K	I	R	H	N	I	E	D	G	S	v	176
529													. acc	CAI		CCT	
177	Q	L	A	D	H	Y	Q	Q	N	T	P	Ι	G	D	G	P	192
																TCC	624
	V																208
																GIA	672
	K													44.8			224
	ACA																717
225	T	A	A	A	I	T	H	G	M	D	E	L	Y	K	*		239

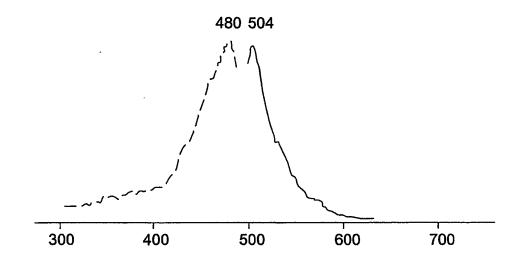


FIG. 4

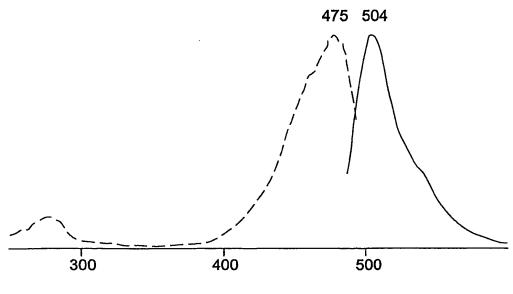


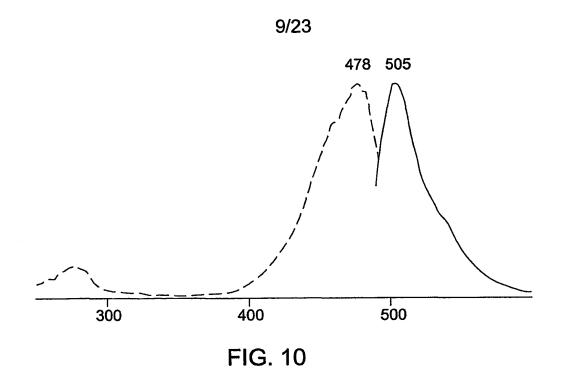
FIG. 8

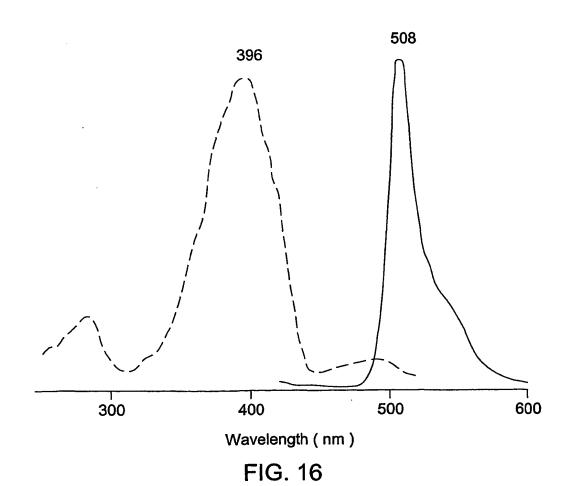
1	ATG	AGT	AAA	GGA	GCA	CAA.A	CIT	TIC	ACT	GGA	CCI	GIC	CCA	ATT	CIT	ATT	48
1	M	Ş	ĸ	G	A	E	L	F	T	G	A	v	P	I	L	I	16
	GAA		Ciri.			GIT											96
17	E	L.	Ð	G	D	V	И	G	H	K	F	S	V	S	G	E	32
97	GGC	GAA	GGT	GAT	GCC	ACA	TAC	GCA	AAG	TTA	ACC	CIT	AAA	TIT	ATT	TGC	144
33	G	E	G	D	A	T	Y	G	K	L	T	L	K	F	I	C	48
145	ACT	ACA	GGA.	AAA	CTA							CIT	GIC	ACT	ACT	TIC	1.92
49	T	T	G	K	L	P	V	P	W	P	T	L	V	T	T	F	64
193	TCT		GGT													CAG	240
65	S	Y	G	V	Q	С	F	s	R	Y	P	D	H	M	K	Q	80
241	CAT	GAC	TIC	TIC	aag	agt	œ	ATG	œ	CAA	GGT	TAT	ATA	CAG	GAA	AGA	288
81	H	D	F	F	K	S	A	M	P	E	G	Y	I	Q	E	R	96
289	ACT	ATA	TTT	TTC	AAA	GAT	GAC	GGG	AAC	TAC	AAG	TOG	ŒĨ	GCI	GAA	GIC	336
97	T	I	F	F	K	D	D	G	N	Y	K	s	R	A	E	V	112
337	AAG	TIC	GAA	GGI	GAT	ACC	CIG	GIT	AAT	AGA	ATT	GAG	TTA	ACA	GGI	ACT	384
113	K	F	E	G	D	T	L	V	N	R	I	E	L	T	G	T	128
385	GAT	TTT	AAA	GAA	GAT	GGA	AAC	ATC	CIT	GGA	AAT	AAA	. ATG	GAA	TAC	AAC	432
129	D	F	K	E	D	G	N	I	L	G	N	K	M	E	Y	N	144
433	TAT	AAC	GCA	CAT	AAT	GIA	TAC	ATC	ATG	ACA	GAC	AAA	. GCA	AAA	AAT	GGA	480
145	Y	N	A	H	N	v	Y	I	M	T	D	K	A	K	N	G	160
481	ATC	AAA	GIT	AAC	TTC	AAA	ATT	AGA	CAC	AAC	ATT	GAA	. GAI	GCEA	AGC	GIT	528
161	I	K	V	N	F	K	I	R	H	N	I	E	D	G	S	V	176
529	CAA	CIT	GCA	GAC	CAT	TAT	CAA	CAA	AAT	ACI	CCA	ATI	GGC	GAI	. GGC	CT	576
177	Q	L	A	D	H	Y	Q	Q	N	T	P	I	G	D	G	P	192
577	GIC	CIT	TTA	CCA	GAT	AAC	CAT	TAC	CIG	TOO	ACA	CAA	TCI	ACC	CII	TCC	_
193	V	L	L	P	D	N	H	Y	L	S	T	Q	S	T	L	S	208
																GIA	
209	K	D	P	N	E	K	R	D	H	M	, I	Y	F	Ğ	F	V	224
	ACA															L	717
225	${f T}$	A	A	A	I	T	H	G	M	D	E	L	Y	K	*		239

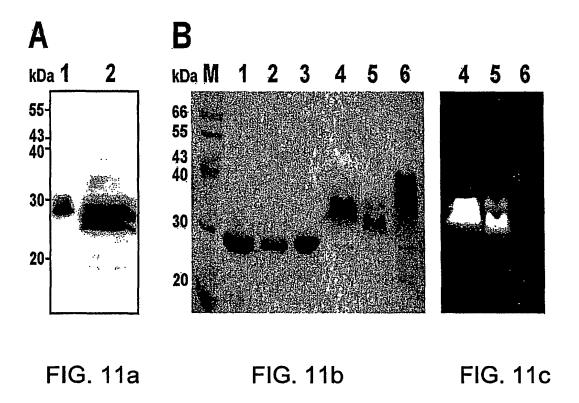
1	ATG	ACT	AAA	CCA)	CCA	GAY.	CIT	TIC	ACT	ŒĄ	ATT	GIC	Œ	ATT	CIT	ATT	48
1	M	S	K	G	A	E	L	F	T	G		V	P	I	L	I	16
49	GAA.																96
17	E	L	N	G	D	V	N	G	H	K	F	S	V	S	G	E	32
97	œ	GAA.	ŒT	GAT	œ	ACA	TAC	ŒA	AAG	TIA	ACC	CIT	AAA	TIT	ATT	TCC	144
33	G	E	G	D	A	T	Y	G	K	L	T	L	K	F	I	C	48
145	ACI	ACA	GGA.	AAA	CIA	TGA	œ	GIT	CCA.	TGG	OCA.	ACA	CIT	GIC	ACT	ACT	192
49	T	T	G	K	L	*	P	V	P	W	P	T	L	V	T	T	64
	TIC																240
65	F	S	Y	G	V	Q	C	F	S	R	Y	P	D	н	М	K	80
241	CAG	CAT	GAC	TIC	TIC	AAG	AGT	œ	AIG	Œ	GAA	Œ	TAT	ATA	CAG	GAA	288
81.	Q	H	D	F	F	K	s	A	M	P	E	G	Y	Ţ	Q	E	96
289	AGA.	ACT	ATA	TIT	TIC	ĞAA	GAT	GAC	œ	AAC	TAC	AAG	TCG	Œ	CCT	GAA	
97	R	T	I	F	F	E	D	D	G	N	Y	K	S	R	A	E	112
	GIC															Œ	384
113	v	K	F	E	G	D	T	L	V	N	R	I	E	L	T	G	128
385	ACT	GAT	TIT	AAA	GAA	GAT	G CA	AAC	AIC	CIT	GGA	AAT	AAA	AIG	GAA	TAC	432
129	T	D	F	K	E	D	G	N	I	L	G	N	K	M	E	Y	144
433	AAC	TAT	AAC	GCA	CAT	AAT	GIA	TAC	ATC	AIG	ACA	GAC	AAA	GCA	AAA	AAT	480
145	N	Y	N	A	H	И	V	Y	I	M	T	D	K	A	K	N	160
													GAA	GAI	GGA	AGC	528
161	G	I	K	V	N	F	K	I	R	H	N	I	E	D	G	S	176
																œc	
177	V	Q	L	A	D	H	Y	Q	Q	N	T	P	I	G	D	G	192
577	CCT	CIC	CIT	TIA	CCA	GAT	AAC	CAT	TAC	CIG	TOO	ACA	. CAA	CI	ACC	CIT	, 624
193	P	V	L	L	P	D	N	H	Y	L	S	T	Q	S	T	L	208
																	672
209	S	K	D	Þ	N	E	K	R	D	H	M	I	Y	F	Ē	F	224
																TAA	
225	v	T	A	A	A	I	T	H	G	M	D	E	L	Y	K	*	240

1	ATG	AGT	AAA	GGA	GCA	GAA	CIT	TIC	ACT	ŒA	ATT	GIC	CA.	ATT	CIT	ATT	48
1	M	S	K	G	A	E	L	F	T	G		V	P	I	L	I	16
49	GAA.																96
17	E	L	N	G	D	V	N	G	H	K	F	S	V	S	G	E	32
97	æc															TCC	144
33	G	E	G	D	A	T	Y	G	K	L	T	L	K	F	I	C	48
145	ACT	ACA	GGA.	AAA	CIA	œ	GIT	CCA.	TCC	CCA.	ACA	CIT	GIC	ACT	ACT	EIC	192
49	T	T	G	K	L	P	V	P	W	, P	T	L	V	T	T		64
													CAT	ATG	AAA	CAG	240
65	S	Y	G	V	Q	C	F	S	R	Y	P	D	H	M	K	Q	80
	CAT															AGA	288
81	H	D	F	F	K	S	A	M	P	E	G	Y	I	Q	E	R	96
289	ACT	ATA	TTT	TIC	GAA	GAT	GAC	GGG	AAC	TAC	AAG	TOG	Œ	GCI	GAA	GIC	336
97	T	I	F	F		D	D	G	N	Y	K	S	R	A	E	V	112
	AAG																384
113	K	F	E	G	D	T	L	V	N	R	I	E	L	T	G	T	128
385	GAT.	TIT	AAA	GAA	GAT	GC2A	AAC	ATC	CIT	GGA	. AAT	AAA	AIG	GAA	TAC	AAC	
129	D	F	K	E	D	G	N	I	L	G	N	K	M	E	Y	N	144
																GGA	
145	Y	N	A	H	N	V	Y	I	M	T	D	K	A	K	N	G	160
														GGZ	AGC	GIT	
161	I	K	V	N	F	K	I	R	H	N	I	E	D	G	S	V	176
529	CAA	CIT	GCA	. GAC	CAI	TAT	CAA	CAA	LAAT	' ACI	. OCZA	IIA .	. 630	GAI	r ggc	cor	576
177	Q	L	A	D	H	Y	Q	Q	N	T	P	I	G	D	G	P	192
577	GIC	CIT	TTA	. CC2A	GAT	AAC	: CAI	TAC	: CIG	TO	: ACA	CAZ	ı ıcı	· ACC	cri	TCC	624
193	V	L	L	P	D	N	H	Y	L	S	T	Q	S	T	L	S	208
																CIA	
209	K	D	P	N	E	K	R	D	H	M	I	Y	F	Ğ	F	V	224
	ACA																71
225	T	A	A	A	I	T	H	G	M	D	E	L	Y	K	*		239

1	ATG	AGT	AAA	ŒA	GCA	CAA	CTT	TIC	ACT	GGA	ATT	GIC	ŒA	ΆΤΤ	CIT	TTA	48
				G													16
49	GAA.															æ	96
17	E	L	И	G	D	V	N	G	H	K	F	S	V	S	G	E	32
97	œ	(ZAA	GGT'	GAT.	GOG	ACA	TAC	GCA.	AAG	TTA	ACC	CIT	AAA	TTT	TTA	TGC	144
33	G	E	G	D	A	T	Y	G	K	L	T	L	K	F	I	C	48
145	ACT	ACA	GGA.	AAA	CIA	CCT	GIT	CCA.	TGG	CCA	ACA.	CIT	GIC	ACT'	ACT	EIC	192
4 9	T	T	G	K	L	P	V	P	W	P	T	L	V	T	T		64
193	TCT																240
65	S	Y	G	V	Q	C	F	S	R	Y	P	D	H	M	K	Q	80
241	CAT	GAC.	TIC	TIC	AAG	AGT	œ	ATG	CT	GAA	GGT	TAT	ATA	CAG	GAA.	AGA	288
81	H	D	F	F	K	S	A	M	P	E	G	Y	I	Q	E	R	96
289																GIC	336
97	T	I	F	F	E	D	D	G	N	Y	K	S	R	A	E	V	112
	AAG															ACT	384
113	K	F	E	G	D	T	L	V	N	R	I	E	L	T	G	T	128
385	GAT.	TTT	AAA	GAA	GAT	GGA	AAC	AIC	CIT	GGA	AAT	AAA	AIG	GAA	TAC	AAC	432
129	D	F	K	E	D	G	N	I	L	G	N	K	M	E	Y	N	144
433	TAT	AAC	GCA	CAT	AAT	GIA	TAC	ATC	ATG	ACA	GAC	AAA	GCA	AAA	LAAT	GGA	480
145	¥	N	A	H	N	v	Y	I	M	T	D	K	A	K	И	G	160
481	ATC	AAA	GIT	AAC	TIC	AAA	ATT	AGA	CAC	AAC	ATT	GAA	GAT	GGA	AGC	GIT	
161	I	K	V	N	F	K	I	R	H	N	I	E	D	G	S	V	176
529	CAA	CIT	GCA	GAC	CAT	TAT	CAA	CAA	AAT	ACT	OCZA	ATT	GGC	GAT	. GGC	cor	576
177	Q	L	A	D	H	Y	Q	Q	N	T	P	I	G	D	G	P	192
																TCC	
193	V	L	L	P	D	И	H	Y	Ŀ	S	T	Q	S	S.	L	S	208
																GIA	
209	K	D	P	N	E	K	R	D	H	M	Ţ	Y	F	Ğ	F	v	224
	ACA																717
225	T	Α	A	A	т	T	Ħ	G	M	D	E	T.	Y	K	*		239

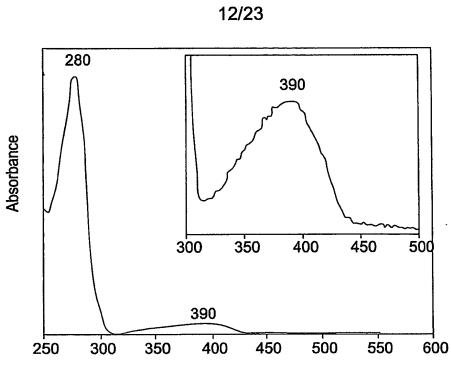






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1	AIG	AGI	AAA	ŒA	GCA	GAA	CIT	TIC	ACT	GGA.	ATT	CIC	ŒA	ATT	CIT	ATT	48
1	M	s	K	G	A	E	L	F	T	G		v	P	I	L	I	16
49																œc	
17	E	L	N	G	D	V	N	G	H	K	F	S	V	S	G	E	32
97	œc	GAA	GGT	GAT	œ	ACA	TAC	GGA.	AAG	TIA	ACC	CIT	AAA	TIT	ATT	TGC	144
33	G	E	Ģ	D	A	T	Y	G	K	L	T	L	K	F	I	C	48
L 4 5	ACT																192
4 9	T	T	G	K	L	P	V	P	W	P	T	L	V	T	T		64
L 9 3																CAG	240
65	S	Y	G	V	Q	C	F	S	R	Y	P	D	H	M	K	Q	80
241	CAT	GAC	TIC	TIC	AAG	AGT	œ	ATG	œ	GAA	GGT	TAT	ATA	CAG	GAA	AGA	288
81	H	D	F	F	K	S	A	M	P	E	G	Y	I	Q	E	R	96
																GIC	
97	T	I	F	F	E	D	D	G	N	Y	K	S	R	A	E	V	112
																ACT	
113	K	F	E	G	D	T	L	V	N	R	I	E	L	T	G	T	128
385	ŒT	TIT	AAA	. CAA	GAT	GGA	AAC	AIC	CIT	GGA	AAT	AAA	ATG	GAA	TAC	AAC	
129	D	F	K	E	D	G	N	I	L	G	N	K	M	E	Y	N	144
433	TAT	AAC	GCA	CAT	AAT	GIA	TAC	ATC	AIG	ACA	. GAC	AAA	. GCA	AAA	AAT	GGA	480
145	Y	N	A	H	N	V	Y	I	M	T	D	K	A	K	И	G	160
481	AIC	AAA	GIT	AAC	TIC	AAA	ATT	AGA	CAC	AAC	ATT	GAA	. GAT	GGA	AGC	GIT	
161	I	K	V	N	F	K	I	R	H	N	I	E	D	G	S	V	176
529	CAA	CIT	GCA	. CAC	CAT	TAT	CAA	CAA	. AAT	ACI	CC2	ATT	· œ	GAI	œ	cor	576
177	Q	L	A	D	H	Y	Q	Q	N	T	P	I	G	D	G	P	192
																	624
193	V	L	L	P	D	N	H	Y	L	S	T	Q	S	A	L	S	208
																GIA	
209	K	D	P	И	E	K	R	D	H	M	I	Y	F	E	F	V	224
673	ACA	CI	GCI	gog	ATT	ACA	CAI	œ	ATC	CAI	GAA	CIA	TAC	: AAZ	TAP		717
225	da da	Δ	Δ	Δ	T	Т	Ħ	G	M	מ	E	L	Y	K	*		239





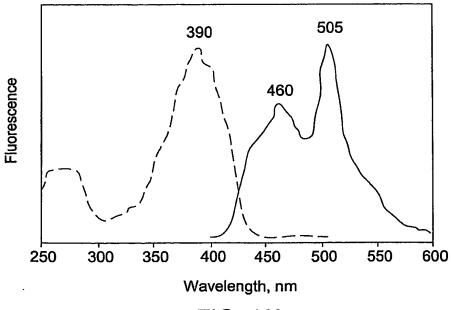


FIG. 13b

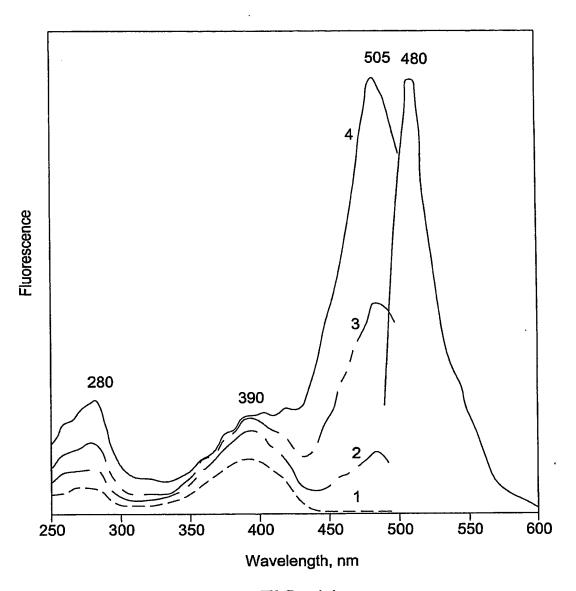


FIG. 14

1	AIG	AGI	AAA	GGA	CCA	GAA	CIT	TIC	ACT	GGA.	ATT	GIC	CCA.	AIT	CIT	ATT	48
1	M	s	K	G	A	E	L	F	T	G		V	P	I	L	I	16
49	GAA.																96
17	E	L	N	G	D	V	N	G	H	K	F	S	V	S	G	E	32
97	œ	GAA	Œľ	ŒŒ	œ	ACA	TAC	ŒA	aag	TIA	ACC	CIT	AAA	TTT	ATT	TCC	144
33	G	E	G	D	A	T	Y	G	K	L	T	L	K	F	I	C	48
L4 5	ACT	ACA	GGA.	AAA	CIA	œ	GIT	CCA.	TGG	ŒA	ACA	CIT	GIC	ACT	ACT	EIC	192
49	T	T	G	K	L	P	V	P	W	P	T	L	V	T	T		64
193	TCT																240
65	s	Y	G	V	Q	C	F	s	R	Y	P	D	H	M	K	Q	80
241	CAT	GAC	TIC	TIC	AAG	AGT	œ	ATG	œ	ÇĄĄ	GGI	TAT	ATA	CAG	GAA	AGA	288
81	H	D	F	F	K	s	A	M	P	E	G	Y	I	Q	E	R	96
289	ACT	ATA	TIT	TIC	ĞΆΑ	GAT	GAC	œ	AAC	TAC	AAG	TOG	ŒÏ	CCT	GAA	GIC	336
97	T	I	F	F		D	D	G	N	Y	K	S	R	A	E	V	112
																ACT	384
113	K	F	E	G	D	T	L	v	N	R	I	E	L	T	G	T	128
385	GAT	TII	AAA	. GAA	CAT	GEA	AAC	ATC	CIT	GGA	AAT	AAA	AIG	CAA	TAC	AAC	432
129	D	F	K	E	D	G	N	I	L	G	N	K	M	E	Y	N	144
433																GGA.	480
145	Y	И	A	H	N	V	Y	I	M	T	D	K	A	K	N	G	160
481	AIC	AAA	GIT	AAC	TIC	AAA	ATT	ACA	CAC	AAC	ITA :	CAA	CAT	GGA	AGC	GIT	
161	I	K	V	N	F	K	I	R	H	N	I	E	D	G	S	V	176
															gac	CCT	
177	Q	L	A	D	H	Y	Q	Q	N	T	P	I	G	D	G	P	192
577	GIC	CII	' TTA	. CC2A	GAI	AAC	CAT	TAC	cre	TO	ACZ	CAA	TCI	. <u>G</u>	ce	TCC	624
193	V	L	L	P	D	N	H	Y	L	S	T	Q	S		L	S	208
625	AAA	. GAI	· œ	: AAC	GAZ	AAG	AGA	CAI	CAX	AIC)IA	: en	TII	GAC	TT	CIA	672
209	K	D	P	N	E	K	R	ם	H	M	I	P	F	E	F	V	224
673	ACA	. GCI	eci	. acc	AIT	' ACA	CAI	gec	: ATC	GAI	. GAZ	CE	TAC	: AA	TAT	7	717
	T																239

1	ATG	AGT	AAA	GCA.	GCA.	GAA	CIT	TIC	ACT	ÆÐ	ĀTT	GIC	ŒA	ATT	CIT	ATT	48
													P				16
49	GAA.															œc	96
17	E	L	N	G	D	V	N	G	·H	K	F	S	V	S	G	E	32
97	œc	(ZAA	GGT	GAT'	œ	ACA	TAC	GGA.	AAG	TIA	ACC	CIT	AAA	TTT	ATT	TGC	144
33	G	E	G	D	A	T	Y	G	K	L	T	L	K	F	I	C	48
145	ACT	ACA	GGA.	AAA	CIA	œ	GIT	CCA.	TGG	CCA.	ACA	CIT	GIC	ACT	ACT	EIC	192
49	T	T	G	K	L	P	v	P	W	P	T	L	V	T	T		64
	TCT																240
65	s	Y	G		Q	C	F	S	R	Y	P	D	H	M	K	Q	80
241	CAT	GAC	TIC	TIC	aag	AGT	œ	AIG	CT	GAA	GGI	TAT	ATA	CAG	CAA	AGA	288
81	H	D	F	F	K	S	A	M	P	E	G	Y	I	Q	E	R	96
289	ACT	ATA	TTT	TIC	ÇAA.	GAT	GAC	GGG	AAC	TAC	AAG	TOG	ŒI	GCT	GAA	GIC	336
97	T	I	F	F	E	D	D	G	N	Y	K	S	R	A	E	V	112
																ACT	384
113	K	F	K	G	D	T	L	V	N	R	I	E	L	T	G	T	128
385	CAT	TTT	AAA	GAA	ŒT	GGA	AAC	AIC	CIT	GGA	AAT	' AAA	. AIG	GAA	TAC	AAC	
129	D	F	K	E	D	G	N	I	L	G	N	K	M	E	Y	N	144
433	TAT	AAC	GCA	CAĞ	AAT	GIA	TAC	AIC	ATG	ACA	. GAC	AAA	GCA	AAA	LAA .	GGA	480
145	¥	N	A	ē	N	v	Y	I	M	T	D	K	A	K	N	G	160
481	AIC	AAA	GII	AAC	TIC	AAA	ATT	AGA	CAC	AAC	ATT	GAA	GAT	GGP	AGC	GIT	528
161	I	K	v	N	F	K	I	R	H	N	I	E	D	G	S	V	176
529	CAA	CIT	GCA	GAC	CAT	TAT	CAA	CAA	LAA.	' ACI	' CC2A	ITA .	. GGC	GAJ	. GGC	cor	576
177	Q	L	A	D	H	¥	Q	Q	N	T	P	I	G	D	G	P	192
577	GIC	CII	'TTA	. CCA	CAT	AAC	CAT	TAC	CIG	TOO	: ACA	CAA	TCI	· Ga	CI	TOC	624
193	V	L	L	P	D	N	H	Y	L	S	T	Q	s	2	L	S	208
625	AAA	CAT	œ	AAC	GAA	AAG	AGA	GAI	CAC	ATC	ATC		eic	GAC	TI	r GIA	672
209	K	D	P	N	E	K	R	D	H	M	I		E	E	F	V	224
673	ACA	GCI	GCI	GOG	ATT	ACA	CAI	· œc	AIG	GAI	CAZ	CIP	TAC	. GAZ	YAT A	4	717
225	T	A	A	A	I	T	H	G	M	D	E	L	Y	Q	*		239

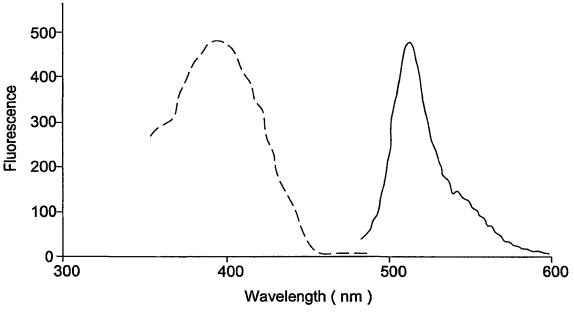


FIG. 18a

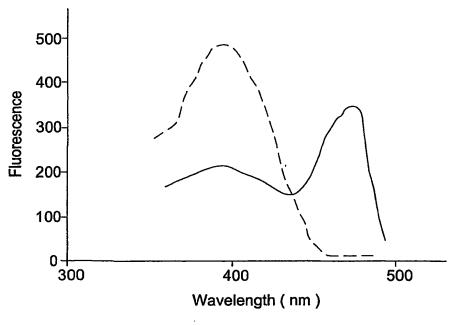


FIG. 18b

1	ATG	AGT	AAA	ÆÐ	GCA.	CAA	CIT	TIC	ACT'	ŒA	ATT	GIC	CCA.	ATT	CIT	ATT	48
1	M	S	K	G	A	E	L	F	T	G		V	P	I	L	I	16
49	GAA.																96
17	E	L	N	G	D	V	И	G	H	K	F	S	V	S	G	E	32
97	œc	GAA.	Œ	GAT	œ	ACA	TAC	ŒA	AAG	TIA	ACC	CIT	AAA	TTT	ATT	TCC	144
33												L					48
145	ACT	ACA	GGA	AAA	CIA	œ	GIT	CCA.	TGG	CCA	ACA	CIT	GIC	ğcı	ACT	CIC	192
49	T	T	Ġ	K	L	P	V	P	W	P	T	L	V		T		64
193	TCT																240
65	S	Y	G	V	Q	C	F	S	R	Y	P	D	H	M	K	Ö.	80
241	CAT	GAC	TIC	TIC	AAG	AG I'	œ	AIG	Œ	GAA	Œ	TAT	AIA	CAG	GAA	AGA	288
81	H	D	F	F	K	S	A	M	P	E	G	Y	I	Q	E	R	96
289	ACT	ATA	TTT	TIC	ČAA	GAT	GAC	œ	AAC	TAC	AAG	TOG	Œ	CI	GAA	GIC	336
97	T	I	F	F		D	D	G	Ŋ	Y	K	s	R	A	E	V	112
	AAG																384
113	K	F	E	G	D	T	L	V	S	R	I	E	L	T	G	T	128
385	GAT	TII	AAA	CAA	CAT	GGA	AAC	ATC	CII	GGA	LAAI	AAA	AIG	GAA	TAC	AAC	432
129	D	F	K	E	D	G	N	I	L	G	N	K	M	E	Y	N	144
433	TAT	AAC	GCA	ACI	AAT	GIA	TAC	AIC	AIG	ACA	CAXC	. AAA	. GCA	AAA	IAA A	GGA	480
145	¥	N	A		N	V	Y	I	M	T	D	K	A	K	N	G	160
481	ATC	AAA	GIT	AAC	TIC	AAA	. ATI	' AGA	CAC	: AAC	: ATI	AAA	GAT	GGZ	AGC	GIT	528
161	I	K	v	N	F	K	I	R	H	N	I	K	D	G	S	V	176
529	CAA	CII	' GCA	CAC	CAT	'IAI	CAA	CAA	. AAT	' ACI	. 007	ATI	· œ	GAJ	r gg (cor	576
	Q															P	192
577	GIC	cri	TIA	. OCA	. GAT	AAC	CAI	TAC	CIG	TOO	: AC	CAA	TCI	. E	c CIT	TCC	624
193	V	L	L	P	D	N	H	Y	L	S	T	Q	S	A	L	S	208
625	AAA	CAI	œ	: AAC	GAA	AAG	AG	CAI	CAC	ATC)IA E	CAT'	TT	CAX	3 TI	C GIA	672
209	K	D	P	N	E	K	R	D	H	M	I	Y	F	E	F	V	224
673	ACA	c GCI	. eci	. acc	ATI	' ACA	CAI	: œ	: ATC	GAI	CAY	A CIF	TAC	: AA	A TAZ	A	717

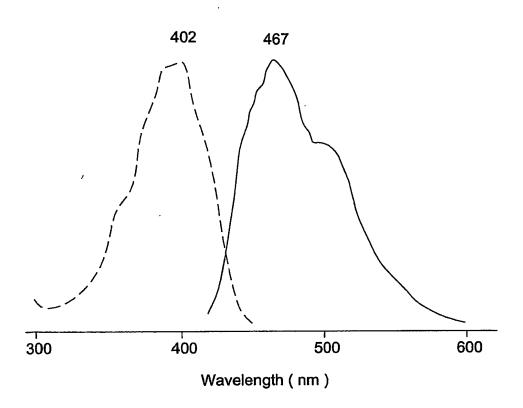
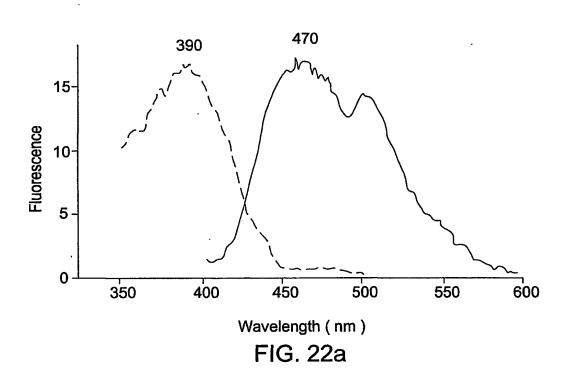
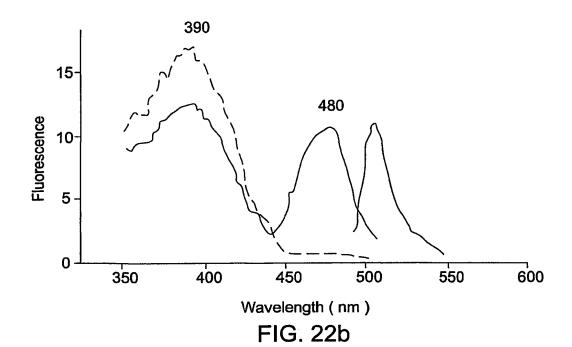


FIG. 20

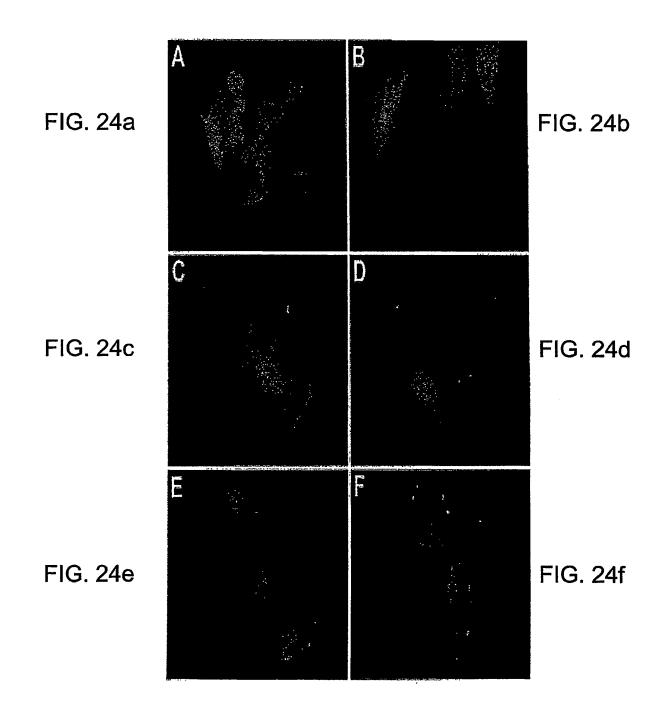
1	AIG	AGT	AAA	GGA	GCA	GAA	CII	TIC	ACT	GGA	ATT	GIC	ŒA	ATT	CIT	ATT	48
1	M	S	K	G	A	E	L	F	T	G		V	P	I	L	I	16
49	GAA	TIA	AAT	ŒI,	GAT'	GIT	AAT	œ	CAC	AAA	TIC	TCT	GIC	AGT	GGA.	GAG	96
17	E	L	N	G	D	v	N	G	H	K	F	S	V	s	G	E	32
97	œc	GAA	Œľ	GAT	œ	ACA	TAC	GGA.	AAG	TIA	ACC	CIT	AAA	TTT	ATT	TGC	144
33	G	E	G	D	A	T	Y	G	K	L	T	L	K	F	I	C	48
145	ACT	ACA	ŒA	AAA	CIA	œ	GIT	CCA	TŒ	CCA.	ACA	CIT	GIC	ACT	ACT	EIC	192
49	T	T	G	K	L	P	V	P	W	P	T	L	V	T	T	L	64
														AIG	AAA	CAG	240
65	S	Y	G	V	Q	С	F	S	R	Y	P	D	H	M	K	Q	80
241	CAT	GAC	TIC	TIC	aag	AGT	œ	ATG	CCT	CAA	ŒI,	TAT	ATA	CAG	GAA	AGA	288
81	H	D	F	F	K	S	A	M	P	E	G	Y	I	Q	E	R	96
	ACT														GAA.	GIC	336
97	T	I	F	F		D	D	G	N	Y	K	S	R	A	E	V	112
																ACT	384
113	K	F	E	G	D	T	L	V	И	R	I	E	L	T	G	T	128
														GAA	TAC	AAC	432
129	D	F	K	E	D	G	N	I	L	G	N	K	M	E	Y	N	144
																GCA	480
145	Y	N	A		N	V	Y	I	M	T	D	K	A	K	N	G	160
																GIT	528
161.	I	K	V	N		K	I	R	H	N	I	À	D	G	S	v	176
529	CAA	CIT	GCA.	GAC	CAT	TAT	CAA	CAA	AAT	ACT	CCA.	ATT	œ	GAT	œc	œ	576
177	Q	L	A	D	H	Y	Q	Q	N	T	P	I	G	D	G	P	192
																TCC	
193	V	L	L	P	D	N	H	Y	L	S	T	Q	S	A	L	S	208
625	AAA	GAT	œ	AAC	CAA	AAG	AGA.	Œ	CAC	AIG	AIC	TAT	TTT	GAG	TTT	GIA	<i>6</i> 72
209	K	D	P	N	E	K	R	D	H	M	I	Y	F	E	F	V	224
673	ACA	CT	ŒŢ	Œ	ATT	ACA	CAT	Œ	AIG	Œ	GAA	CIA	TAC	AAA	TAA		717
225	T	A	A	A	I	T	H	G	M	a	E	L	I	K	*		239







1	A	rga(GCA	AGG	3CG(CCG	AGC:	rgt.	CAC	CG	GCA!	rcg	rgc(CCA!	rcc.	TGA	TC	48
1	M	s	K	G	A	E	L	F	T	G	I	V	P	I	L	I	•	16
49	GAG	3CT(GAA'.	rgg	CGA:	rgt	GAA'	rgg	CCAC	'AA	GTT(CAG	CGT	GAG	CGG	CGF	AG	96
17	E	L	И	G	D	v	N	G	H	K	F	s	V	S	G	E		32
97	GG	CGA	GGG	CGA:	rgc	CAC	CTA	CGG	CAA	3CT	GAC	CCT	GAA	GTT	CAT	CIO	3C	144
33	G	E	G	D	A	T	Y	G	K	L	T	L	K	F	I	C		48
145	A	CCA	CCG	GCA	AGC.	rgc	CTG	TGC	CCT	3GC	CCA	CCC	TGG	TGA	CCA	.CC	CTG	192
49	T	T	G	K	L	P	V	P	W	P	T	L	v	T	T	. 1	<u>L</u>	, 64
193	A	GCT.	ACG	GCG	TGC	AGT	GCT	TCT	CAC	GCT	ACC	CCG	ATC	ACA	TGA	AG	CAG	240
65	ន	Y	G	V	Q	C	F	S	R	Y	P	D	H	M	K	: (2	80
241	C	ACG	ACI	TCT	TCA	AGA	GCG	CCA	TGC	CTG	AGG	GCI	ACA	TCC	AGG	!AG	CGC	288
81	H	D	F	F	K	s	A	M	P	E	G	Y	I	Q	E		R	96
289	A	CCA	TCT	TCT	TCG	AGG	ATG	ACG	GCA	ACI	'ACA	AGI	'CGC	:GCG	CCG	lAG	GTG	336
97			F				D								E		V	112
337	A	AGT	TCG	AGG	GCG	ATA	CCC	TGG	TGA	ATC	:GCA	TC	AGC	TGA	ZCC6	GC.	ACC	384
113		F	E	G	. D	T	. T	v	N	F	E I	E	e I	. 7	. 0	3	T	128
385	G	ATT	TCA	AGG	AGG	ATG	GCA	ACA	TCC	TG	GC#	AT	AGA	TGC	ag"	ľAC	AAC	432
129	D	F	K	E	D	G	N	I	I	. 0	3 N	1 I	C M	1 F	3 3	7	N	144
433	T	ACA	ACG	CCC	ACA	ATG	TGI	'ACA	TCA	TGF	CCG	AC	AAGG	3CCZ	\AGI	AAT	GGC	480
145			T A				7 Y						C P			7		160
481	A	TCA	AGG	TGA	ACT	TCA	AGA	TCC	:GCC	'ACI	AAC	ATC(BAG	TAE	3GC2	AGC	:GTG	528
161	I	K	v	N	F	K	I	. F	E	1	4 3	[]	Z I) (3 :	S	V	176
529	C	AGC	TGG	CCG	ACC	ACI	CACC	'AGC	AGA	ATZ	ACC(CCZ	ATC	3GC (GAT(GGC	CCT	576
177			. <i>2</i> 4							7			ב כ					192
577	G	TGC	TGC	TGC	:CCG	ATA	ACC	'AC'I	CACC	TG:	rccz	ACC	CAG	AGC	3CC	CTG	TCC	624
193	v	I	. I	, F	P) N	1 I	I 2	Z I		3 :	r (2 8	3 2	A. :	L	S	208
625	. A	AGG	ACC	CCA	ACG	lAG/	AAGC	GCC	TAE	'AC	ATG	ATC	TAC.	rtc	GGC	TTC	GTG	672
209	K	: I) E	, <i>I</i> ,	Į E	F	C F	R I) I	I 1	MI :	Ι	Y 1	F (G :	F	v	224
673	, <u>A</u>	CCC	CCC	CCG	CCA	TCF	ACC(ACC	3GCZ	\TG(GAT	GAG	CTG:	rac:	AAG	TGI	.	717
225																		239



PCT/IB03/00907

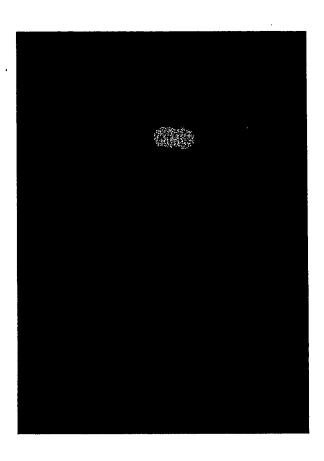


FIG. 25

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